Troubleshooting

●Never try repair by yourself.

Something wrong....?! (Ex. smoke, smell and no sound ➡ possibility of fire or shorting.)
①Turn off the power.
②Detach the power cord and bring the unit to your dealer.

Trouble	Check point
■General	
No power	●Start the engine. (Or turn the ignition switch to the ACC position.) ●Verify the wiring. (Ex. Battery cord, ACC cord, grounding cord, etc.) ●Fuse blown (Contact the nearest Panasonic Service Centre.) ●Ask a professional for fuse replacement. ●Be sure to use the same rated fuse.
No sound	●Disable the mute function. ●Verify the wiring. ●Wait until the dew disappears before turning on the unit.
Noise	●Make sure that the ground lead is grounded properly.
■Radio	
Frequent noise	●Tune in to another high-intensity station. ●Make sure that the antenna mounted point is grounded properly.
Preset data deleted	●Connect the battery cord correctly.
■CD Player	
No sound, or disc is automatically ejected	●Load the CD correctly. ●Clean the CD.
Sound skip, poor sound quality	●Clean the CD.
Sound skip due to vibration	●The maximum permissible tilt is 30°. ●Secure the unit.

Trouble	Check point
■CD Player (CONTINUED)	
CD not ejectable	●Press **[⏏]**. If the CD is not ejected, contact the nearest Panasonic Service Centre.
■Sound quality	
No sound from left, right, front, or rear speaker	●Adjust the balance and fader. ●Verify the wiring.
Left and right sounds are reversed	●Connect the speaker cord correctly.

■Error indication

Message	Cause	Remedy
CD -E1- (CD) CHC 2E1 (Changer) Disc No.	●CD dirtied ●CD upside down	CD player ●Eject the CD. CD changer ●Next CD auto-selected
CD -E2- (CD) CHC 2E2 (Changer) Disc No.	●CD scratched	
CD -E3- (CD) CHC -E3- (Changer)	●No operation by some cause.	●Consult your nearest Panasonic Service Centre.
CHC 0000 (Changer only)	●No CD in magazine	●Insert CDs in the magazine.

shop@Panasonic

www.panasonic.co.uk (for UK customers only)

●Order accessory and consumable items for your product with ease and confidence by telephoning our Customer Care Centre Mon–Friday 9:00am–5:30pm. (Excluding public holidays.)
●Or go on line through our Internet Accessory ordering application.
●Most major credit and debit cards accepted.
●All enquiries transactions and distribution facilities are provided directly by Panasonic UK Ltd.
●It couldn't be simpler!

Customer Care Centre
For UK customers: 08705 357357
For Republic of Ireland customers: 01 289 8333

Product service, repair and enquiry
●Consult your nearest Panasonic Service Centre.

Matsushita Electric Industrial Co., Ltd.
Web Site : http://www.panasonic.co.jp/global/

YEFM284003 ND1202-0 Printed in China

Cautions

This product is a class I laser product.

●A laser beam leak results in hazardous radiation exposure.
●Do not open covers and do not repair it by yourself. Refer servicing to qualified personnel.
●Wave length : 780 nm
●Laser power : No hazardous radiation is emitted with safety protection.

Precaution

(Attached sheet ☞ ①)

■For safe driving
Moderate the volume not to miss traffic information.

■Shorting prevention
Do not wet this unit.

■CD slot
Do not insert anything other than a CD.

■Power supply
12-volt negative ground battery system

■Protection of preset memory
Never disconnect the battery cord.

Accessories

(Attached sheet ☞ ②)

●Operating Instructions
●Installation Instructions
●Supplied Hardware (➡Installation Instructions)
●Warranty Card
●Removable Face Plate Case

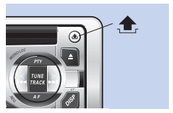
Fuse

●Use fuses of the same specified rating (15A).
●Using different substitutes or fuses with higher ratings, or connecting the unit directly without a fuse, could cause fire or damage to the unit.
●**If the fuse replacement fails, contact your nearest authorized Panasonic Service Centre.**

Theft Prevention

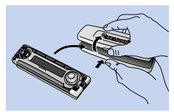
Take the face plate with you when leaving the car.

■Remove the face plate



❶ Release the face plate.

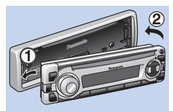
❷ ①Pull the right side. ②Slide the left side. Detach the face plate.



❸ Put the face plate into the case.

Note: An alarm is generated to remind you of the face plate when turning off the power.

■Install the face plate



①Slide the left side.
②Press the right side until a "click" is heard.

Maintenance

●Wipe the unit with a soft dry cloth.
●Never apply volatile liquids such as benzine and thinner to prevent damage.

Clock Setting

●Only when "NO CT" appears in the step ❷ below, set the clock.

❶ Press **[BAND]** to select the radio **AM (MW/LW)** mode (➡Refer to "Radio") → AM 153 (AM mode)
❷ Press **[DISP]** → NO CT (NO CT)
❸ Hold down **[DISP]** for 2 seconds or more → CT 1030 (Blink: Hours)
❹ Press **[<TUNE>]** → CT 1030 Adjust hours
❺ Press **[DISP]** → CT 1035 (Blink: Minutes)
❻ Press **[<TUNE>]** → CT 1035 Adjust minutes
❼ Press **[DISP]** → CT 1035 (Completed)

Notes on discs

(Attached sheet ☞ ③)

●Do not touch the recorded surface.
●Avoid leaving CDs in places with direct sunlight, dust and moisture such as seat and dashboard.
●Do not use irregular shaped discs.
●You may have trouble playing discs in the following cases.
 •Dirt, fingerprints, scratches on the disc surface
 •If a disc is damaged from leaving inside a car for extended periods, etc.
 •Inappropriate writing software and a CD changer are used.
 •Contains other than CD-DA data.

English

Panasonic

Removable Front Panel CD Player/Receiver with CD Changer Control
CQ-RDP153/RDP143/RDP133N

Removable Front Panel CD Player/Receiver
CQ-RDP123/RDP113/RDP103/RDP003N

Operating Instructions

(☞)-marked points in this book have supplementary information. Refer to the information as needed.

●This operating instruction manual applies to the seven models below. The difference among these models are mentioned below.
●All illustrations represent model CQ-RDP153N unless otherwise specified.
●Remote control unit is an option. (CA-RC61EX)

Models	Changer Control	Pre-out	Illumination Color	Face Color
CQ-RDP153N	Yes	4(Front/Rear)	Blue/Red	Plating Silver
CQ-RDP143N	Yes	4(Front/Rear)	Amber	Plating Silver
CQ-RDP133N	Yes	4(Front/Rear)	Green	Plating Silver
CQ-RDP123N	None	2(Rear)	Blue/Red	Coating Black
CQ-RDP113N	None	2(Rear)	Amber	Coating Black
CQ-RDP103N	None	2(Rear)	Green	Coating Black
CQ-RDP003N	None	2(Rear)	Amber	Coating Silver

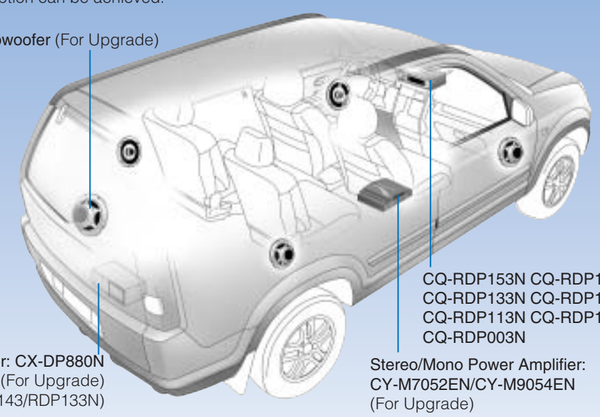
Thank you very much for purchasing a Panasonic CD Player/Receiver.

■Radio The newly developed Alpha tuner enhances the reception sensitivity of FM broadcasts. It is also less affected by receiving conditions inside and outside the vehicle.
■RDS The sensitivity in the AF mode is adjustable and the region-to-region signal strength is memorized, which means the automatic best program reception can be achieved.

Fantastic Sound Space!

Sophisticated Product Achieived by Optional Functions

●Sound System with Spurting Realism (2-channel or 4-channel Power Amplifier)
●Powerful Heavy Bass (Stereo/Mono Power Amplifier) : CY-M7052EN/CY-M9054EN
●Smooth Uninterrupted Play (CD Changer) : CX-DP880N, etc



Specifications

■General

Power Supply	12 V DC(11 V - 16 V), Test Voltage 14.4 V, Negative Ground
Tone Controls (Bass) Tone Controls (Treble)	±12 dB at 100 Hz ±12 dB at 10 kHz
Current Consumption	Less than 2.5 A (CD mode, 0.5 W 4-Speaker)
Maximum Power Output	45 W x 4 (at 4 Ω)
Power Output	20 W x 4 (DIN45 324, at 4 Ω)
Speaker Impedance	4 - 8 Ω
Pre-Amp Output Voltage	2.5 V (CD mode)
Pre-Amp Output Impedance	200 Ω
Dimensions (Main Unit)	178(W) x 50(H) x 155(D) mm
Weight (Main Unit)	1.4 kg

■CD Player

Sampling Frequency	8 times oversampling
Pick-Up Type	Astigma 3-beam
Light Source	Semiconductor laser
Wavelength	780 nm
Frequency Response	20 Hz - 20 kHz (±1 dB)
Signal to Noise Ratio	96 dB
Total Harmonic Distortion	0.01 % (1 kHz)
Wow and Flutter	Below measurable limits
Channel Separation	75 dB

■Stereo Radio

FM	Frequency Range	87.5 - 108 MHz
	Usable Sensitivity	6 dB/μV(S/N 30 dB)
	Stereo Separation	35 dB (at 1 kHz)
MW	Frequency Range	531 - 1 602 kHz
	Usable Sensitivity	28 dB/μV (S/N 20 dB)
LW	Frequency Range	153 - 279 kHz
	Usable Sensitivity	32 dB/μV (S/N 20 dB)

Note: Specifications and design are subject to modification without notice due to improvements.

Convenient Function

Radio Data System (RDS)

RDS is a system performing convenient functions for FM stations in such as Europe. However, there may be some areas where RDS is not effective for reception.
- Station name appears instead of the frequency.
- The clock is automatically adjusted.

AF Alternative frequency

- When reception is poor, an RDS station broadcasting the same program is tuned in automatically.

■To select AF receiving sensitivity ➡Press **[AF]**
(Attached sheet ☞ ④)

AF1 : For mountain areas and places enclosed by high-rise buildings or other objects that prevent radio reception. (Default)
AF2 : For suburbs and other places free of obstructions of view.
OFF : For the AF function inactivated.

■To change AF range ➡Hold down **[AF]** for 2 seconds or more

- REGION ON : To select a station broadcasting the same program
- REGION OFF : To select an AF station of the same network (The program may be different) (Default)

■AF1 or AF2 auto preset memory

- The memory is valid for the RDS stations only.
- A station of the same network in good receiving condition is received.
- If a preset station is in poor receiving condition, another station in good receiving condition can be tuned in to by pressing the same preset button. (Best Station Research)
- PI Seek (Attached sheet ☞ ⑤)

TA Traffic Announcements

- To automatically listen to a station that gives traffic information periodically.

■To select TA mode ➡Press **[TA]** (Attached sheet ☞ ⑥)
(Default : TA OFF)
- To cancel ➡Press **[TA]** again.

Notes:
- If a selected station is in poor receiving condition, another station giving traffic announcements will be automatically tuned in.
- When TA ON is selected, only TP station will be searched. When TA ON is selected, only TP station will be memorized automatically.
- Even in CD player and CD changer modes, a station giving the traffic information is automatically received.

■To listen to TA only ➡Hold down **[TA]** for 2 seconds or more (in FM mode)
- To cancel ➡Press **[TA]** again.
(Or, raise the volume with **[VOL]**).

■TA Volume Set (Attached sheet ☞ ⑦)

PTY Program Type

- Stations can be selected by program type, for example, news and rock.

■To select mode PTY ➡Press **[PTY]** (Attached sheet ☞ ⑧)
- To cancel ➡Press **[PTY]** again.

■PTY preset call ➡Press **[1]** to **[6]**
- The following program types are preset. (Attached sheet ☞ ⑨)

①News ②Speech ③Sport ④Pop music ⑤Classics ⑥Music

■PTY selection

①Press **[<TUNE>]** to select a program type below.
②Press **[BAND]** for automatic selection.

SPEECH	MUSIC	NEWS	AFFAIRS
INFO	SPORT	EDUCATE	DRAMA
CULTURES	SCIENCE	VARIED	POP M
ROCK M	M_O_R_ M	LIGHT M	CLASSICS
OTHER M	WEATHER	FINANCE	CHILDREN
SOCIAL A	RELIGION	PHONE IN	TRAVEL
LEISURE	JAZZ	COUNTRY	NATIONAL
OLDIES	FOLK M	DOCUMENT	

■PTY preset change

①Select a program type by using PTY selection or PTY preset call.
②Hold down **[1]** to **[6]** for 2 seconds or more.

Note: When there is no corresponding program type, “NO PTY” is displayed.

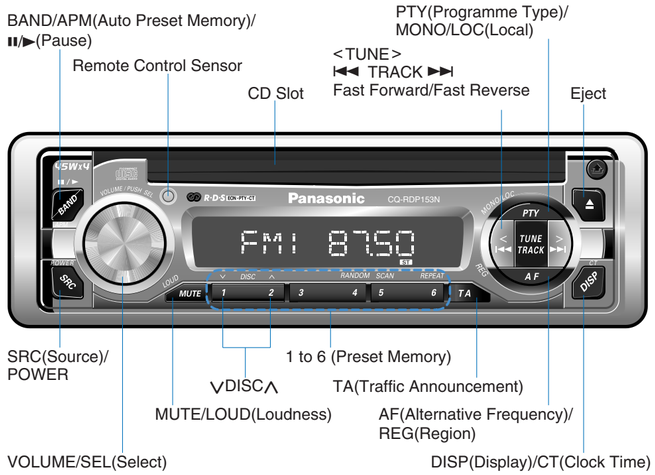
■Emergency Announcement
- An emergency announcement, if broadcast, is automatically received.
- This function operates in other than the radio mode, and “ALARM” flashes.

Note: Press **[DISP]** to switch the PTY display language to Swedish.

EON Enhanced Other Networks

- Traffic information of the other networks is received.
- Preset AF data is refreshed at all times.

How to Enjoy Music



Note: Remote control unit is an option (CA-RC61EX). For details, refer to the manual of the remote control unit.

1 Power on

POWER SRC
- Press to power on.
- Press again and hold to power off.

Note: When first powered up, a demonstration message appears. Press **[DISP]** to stop the demonstration message.

2 Enjoy music in each mode

POWER SRC
- Press to select a mode as follows.

Radio
CD Player — When a disc is loaded.
CD Changer — When a changer is connected. (For CQ-RDP153/RDP143/RDP133N)

Sound Controls

■**Volume Adjustment** (Setting range: 0 to 40)

Turn to adjust

■**Sound Control**

Press to select a mode → Turn to change each level

Volume	VOL 20	(0 to 40)
Bass	BAS 0dB	(–12 to +12 in 2 dB step)
Treble	TRE 0dB	(–12 to +12 in 2 dB step)
Balance	BAL CNT	(left/right: 1 to 15)
Fader	FAD CNT	(front/rear: 1 to 15)

Note: If no operation takes place for 5 seconds or more (2 seconds in the volume mode), the display return to the regular mode.

■Mute — MUTE
Press to switch on and off.
- Mute the sound completely.

■Loudness — LOUD
Hold down for 2 seconds or more to switch on and off.
- Enhance bass and treble tones at low volume.

Radio

1 BAND Press to select a band.

FM1 → FM2 → FM3 → AM (LW/MW)

2 PTY / < TUNE TRACK > / A.F
■Seek tuning
Hold down for 0.5 seconds or more.
Tuning will automatically stop when the next station is found.
[>]: higher frequency
[<]: lower frequency

■Manual Tuning
[>]: higher frequency
[<]: lower frequency

Preset Memory

- Up to 6 stations can be stored in each of the FM1, FM2, FM3 and AM (LW/MW) band selections.

BAND APM Press to select a band for preparation.

Band Frequency
FM2 88.50 (LOCAL)
Preset Number

■Auto Preset Memory

BAND APM Hold down for 2 seconds or more.
- Automatically tune the 6 stations with good reception and save under preset buttons **[1]** to **[6]**.
- Preset stations appear for 5 seconds each.

Notes:
- Only RDS stations will be saved at default setting (AF is ON).
- To stop scanning, press one of the preset buttons **[1]** to **[6]**.

■Manual Preset Memory

Use seek or manual tuning to find a station.

1 2 3 4 5 6
Hold down one of the preset buttons **[1]** to **[6]** until the display blinks once.

Note: New stations overwrite existing saved stations after following this procedure.

■Preset station calling

1 2 3 4 5 6
Press **[1]** to **[6]** to call a preset station.

Caution: Never preset stations while driving.

Mono/Local Selection

Mono: Reduce noise if weak signals are received
Local: Only strong signals of stations are searched for in seek tuning.

■FM broadcast
Hold down **[PTY](MONO/LOCAL)** for 2 seconds or more to change the mode.

■AM(LW/MW) broadcast
Press **[PTY](MONO/LOCAL)** to change the mode.

FM broadcast **MONO**
MONO OFF/LOCAL OFF
↓
MONO ON/LOCAL OFF
↓
MONO ON/LOCAL ON
↓
MONO OFF/LOCAL ON

AM(LW/MW) broadcast **LOCAL**
LOCAL OFF ↕ LOCAL ON

Display Change

DISP Press

Program Service Name
BBC R4
Frequency ⇕ (3 seconds)
FM1 92.50
Clock Time
CT 1:34

Note: A station name appears when it is an RDS station.

CD Player

Only discs with the label at right are available.

COMPACT disc DIGITAL AUDIO

- Available Discs: CD-R, CD-RW
- Non-available: 8 cm, WMA, MP3

This unit does not support CD text display.

- When a disc is not loaded

Insert a disc and playback starts automatically. (Attached sheet ☞ ⑩)

DISC Disc indicator
Make sure that the disc indicator is off before loading a disc.
If the disc indicator lights, eject the disc, then load a new disc.

■Track selection and track search

PTY / < TUNE TRACK > / A.F

- Next track: **[►►I]** Press
- Start of current track: **[I◄◄]** Press once
- Previous track: **[I◄◄]** Press twice
- Fast forward: **[►►I]** Hold down
- Fast reverse: **[I◄◄]** Hold down

Release it to resume regular CD play.

■Disc Eject

Press **[⏏]** to stop CD play and eject the disc.

■Pause

Press **[BAND] (II/►)** to pause. Press again to resume to playback.

∨DISC∧

RANDOM R►
- Random play

All tracks: Press **[4].** R► lights.
All tracks on the current disc (changer only): Hold down **[4]** for 2 seconds or more. R► blinks.

REPEAT REP
- Repeat play

Current track: Press **[6].** REP lights.
Current disc (changer only): Hold down **[6]** for 2 seconds or more. REP blinks.

SCAN
- 10 seconds play of each track.

All tracks: Press **[5].**

02 01 (CD) CDC 2 (Changer)

1st track on each disc (changer only): Hold down **[5]** for 2 seconds or more.

CDC 01
- Press again to cancel in each play mode.

Display Change

DISP Press

■CD player mode
Track Number/Playing Time
02 3'01
Clock Time
CT 1:34

■CD changer mode
Disc Number/Track Number
CDC 2-01
Playing Time
CDC 0'09
Clock Time ⇕ (Press)
(Hold down for 2 seconds or more)
CT 1:34

CD Changer

For
CQ-RDP153
CQ-RDP143
CQ-RDP133N

●When magazine is not loaded

Insert a magazine with discs and playback starts automatically.

CH-C Changer indicator
Lights when a changer with magazine is connected.

■Disc selection

∨ DISC ∧ 1 2
- Previous disc : **[∨]** Press
- Next disc : **[∧]** Press

■Track selection and track search
(Refer to the CD player mode.)

Note: Not compatible with CD-RW (except when CX-DP880N is connected). Trouble may occur while playing CD-Rs/CD-RWs. Refer to the section on “Notes on discs (CD-R, CD-RW)” (Attached sheet ☞ ③)